

# the Cobalt Development Institute

**Contains No CBI**



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TSCA Confidential Business Information Center (7407M)  
EPA East - Room 6428 Attn: Section 8(e)  
U.S. Environmental Protection Agency  
1201 Constitution Avenue, NW  
Washington, DC 20004-3302

June 4, 2008

Re: TSCA Section 8(e) Notification



Dear TSCA Section 8(e) Coordinator:

This notification is being submitted pursuant to Section 8(e) of the Toxic Substances Control Act ("TSCA") by the Cobalt Development Institute (CDI) on behalf of OM Group Inc. and The Shepherd Chemical Company ("the Company Sponsors"). The Company Sponsors have commissioned certain toxicity testing for cobalt sulfate heptahydrate (CASRN: 10026-24-1) and cobalt monoxide (CASRN: 1307-96-6).

## Summary of Preliminary Test Results for Cobalt Sulfate Heptahydrate

- OECD 475: *In Vivo* Mammalian Bone Marrow Chromosome Aberration Test  
Weanling rats were administered oral cobalt sulfate heptahydrate doses of 100, 300, and 1000 mg/kg bw-d. Dosing was for 5 d. A significant increase in chromosome aberrations was reported in the 1000mg/kg bw-d dose group.

## Summary of Preliminary Test Results for Cobalt Monoxide

- OECD 475: *In Vivo* Mammalian Bone Marrow Chromosome Aberration Test  
Weanling rats were administered oral doses of cobalt monoxide at 200, 600 and 2000 mg /kg bw-d. Dosing was for 5 d. A marginal increase in chromosome aberrations was reported in 2000 mg /kg bw-d dose group. A significant decrease in the mitotic index was reported in the 600mg/kg bw-d dose group.

Upon issuance of the final study reports for the genotoxicity study of cobalt sulfate and cobalt monoxide, CDI will make copies of the study available to the EPA TSCA section 8e coordinator.

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# the Cobalt Development Institute

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## Company Sponsors

The following companies are the sponsors for the genotoxicity tests:

OM Group, Inc.

127 Public Square

1500 Key Tower

Cleveland, OH 44114

Contact: Scott L. Grove, Manager, Corporate Product Stewardship

The Shepherd Chemical Company

4900 Beech Street

Cincinnati, OH 45212

Contact: Bayard Pelsor, EHS/QS Manager

Correspondence related to this 8(e) report filing may be directed to me at :

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Sincerely,



Tom Brock PhD, ABT

The Cobalt Development Institute

Consulting Toxicologist

cc: S. L. Grove, OM Group, Inc.

B. Pelsor, The Shepherd Chemical Company

Mr. David Weight, Cobalt Development Institute